Delaware

Science and Engineering Profile

Characteristic	State	U.S.	Rank	Characteristic	State	U.S.	Rank
Doctoral scientists, 1999[1]	3,660	518,670	35	Total R&D performance, 1998 (millions)	$2,556	$214,668	21
Doctoral engineers, 1999[1]	730	107,100	32	Industry R&D, 1998 (millions)	$2,476	$163,480	18
S&E doctorates awarded, 1999[1]	121	25,953	38	Academic R&D, 1998 (millions)	$70	$25,342	45
of which, in engineering	34%	21%		of which, in engineering	33%	16%	
in social sciences	19%	16%		in life sciences	25%	57%	
in life sciences	13%	25%		in physical sciences	14%	9%	
S&E postdoctorates, 1998[1]				Public higher education current-fund			
in doctorate-granting institutions	123	39,494	36	expenditures, 1997 (millions)	$510	$125,236	42
S&E graduate students, 1998[1]				Number of SBIR awards, 1990-98	124	35,413	30
in doctorate-granting institutions	1,615	422,834	43	Patents issued to state residents, 1999	417	83,901	34
Population, 1999 (thousands)	754	276,580	46	Gross state product, 1998 (billions)	$34	$8,800	43
Civilian labor force, 1999 (thousands)	389	140,536	47	of which, agriculture	1%	1%	
				manufacturing, mining, construction	19%	22%	
Personal income per capita, 1999	$30,778	$28,542	12	transportation, communication, utilities	5%	9%	
				wholesale and retail trade	10%	16%	
Federal spending				finance, insurance, real estate	41%	19%	
Total expenditures, 1999 (millions)	$3,766	$1,508,933	50	services	15%	21%	
R&D obligations, 1998 (millions)	$45	$70,445	51	government	9%	12%	

NOTE: Rankings and totals are based on data for the 50 States, District of Columbia, and Puerto Rico. Reliability of the estimates of industry R&D and of doctoral scientists and engineers varies by State, because the sample allocation was not based on geography. The rankings do not take into account the margin of error of estimates from sample surveys.

[1]Data on graduate students, doctoral scientists and engineers, and postdoctorates include all graduate degree (except M.D.) candidates and recipients in S&E fields, including health fields. Data on S&E doctorates awarded do not include health fields.

Federal Obligations for Research and Development by Agency and Performer: Fiscal Year 1998

Agency	Performer							
	Total	Federal Intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank, total
	[In thousands of dollars]							
Total, all agencies	45,214	3,722	0	7,877	29,971	3,042	602	51
Department of Agriculture	3,715	1,366	0	0	2,349	0	0	50
Department of Commerce	1,818	634	0	214	970	0	0	35
Department of Defense	11,735	1,014	0	5,015	5,618	88	0	45
Department of Energy	1,504	0	0	181	1,263	60	0	43
Dept. of Health & Human Services	7,577	5	0	841	6,148	533	50	47
Department of the Interior	828	703	0	0	95	0	30	52
Department of Transportation	922	0	0	400	0	0	522	45
Environmental Protection Agency	1,554	0	0	0	1,554	0	0	33
National Aeronautics and Space Admin	4,036	0	0	839	2,125	1,072	0	39
National Science Foundation	11,525	0	0	387	9,849	1,289	0	38
State rank, total	51	52	na	46	44	39	52	na

NOTE: Federal R&D obligations are as reported by funding agencies. Ranks and totals are based on data for the 50 States, District of Columbia, and Puerto Rico.

KEY: FFRDC = federally funded research and development center; SBIR = small business innovation research; na = not applicable.

SOURCES: Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources -- see the section, "Data Sources for Science and Engineering (S&E) State Profiles".